TRANSMITTAL

10/617,620

July 11, 2003.

PTO/SB/21 (08-03) modified

Approved for use through 08/30/2003. OMB 0651-0031

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Application Number

Filing Date

FORM		First Named Inventor	Keith D. Trott		
(to be used for all correspondence after initial	filing) Art Unit		2821 -		
!		Examiner Name	Not Yet Assigned		
Total Number of Pages in This Submission	141	Attorney Docket Number	RTN-141PUS		
	ENC	LOSURES (Check all that ap	ply)		
Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s)		Assignment Papers (for an Application) Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s)	After Allowance Communication to Technology Center (TC) Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): Return Postcard PTO/SB/08A Form with 12 references cited		
Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	provide	vent a petition for extension of time	ne is required by this paper and not otherwise nd authorization is provided herewith to the cost of such extension.		
SIGNA	TURE (OF APPLICANT, ATTORNEY	OR AGENT		
Firm or Individual Signature Date Donald F. M. Danald F.	Moffor	d, LLP)		
I hereby certify that this correspondence is b	eing facsi velope ad	dressed to: MS Group Art Unit #2821	AILING posited with the United States Postal Service with Commissioner for Patents, P.O. Box 1450,		
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Signature	Cop:	Delle 22	Date 13 NOV 2003		

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

10/617,620

Confirmation No.: 2919

Applicant

Keith D. Trott et al.

Filed:

July 11, 2003

T.C./A.U.

2821

Examiner

Not Yet Assigned

Docket No.

RTN-141PUS

Customer No.:

022494

Certificate of Mailing (37 C.F.R. 1.8(a))

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13 NOV 2003

Date of Signature and Mail Deposit

Donald F. Mofford

Reg. No. 33,740

Attorney for Applicant(s)

INFORMATION DISCLOSURE STATEMENT

MS Group Art Unit #2821 Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

It is desired to cite for the record in this application the enclosed documents listed on the attached copy of PTO form PTO/SB/08A (Formerly #1449). The paragraph(s) marked below are applicable to this Information Disclosure Statement.

[X] (1) The enclosed Information Disclosure Statement is being filed: within three months of the filing date; or within three months of the entry of the national stage of the above-identified application; or before the mailing of a first Office Action on the merits; or before the

mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114. Accordingly, Applicant(s) believes that no fee or statement is required.

[] (2) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by the fee set forth in 37 C.F.R. § 1.17(p).

SUBMISSION UNDER 37 C.F.R. § 1.97(c) INCLUDING A STATEMENT UNDER 37 C.F.R. § 1.97(e)(1)

[] (3) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(c) INCLUDING A STATEMENT UNDER 37 C.F.R. § 1.97(e)(2)

[] (4) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56 (c) more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d) INCLUDING A STATEMENT UNDER 37 C.F.R. §1.97(e)(1)

[] (5) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d) INCLUDING A STATEMENT UNDER 37 C.F.R. §1.97(e)(2)

[] (6) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the accompanying Information Disclosure Statement.

The filing of this Information Disclosure Statement is not a representation by the undersigned as to personal knowledge of the contents of every word or phrase of the material enclosed or that reliance on other suitably trained professionals has not been made.

If a search report of a searching agency is enclosed identifying the nature of the relevance of each document, such a designation is deemed to satisfy Rule 98(a) (3) even if in a foreign language, since the few terms of relevance therein are deemed of universal cognizance. However, Applicant(s) does not necessarily adopt the position reflected by that report.

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 500845.

Dated: 13 NOU 2003

Respectfully submitted,

DALY, CROWLEY & MOFFORD, LLP

Donald F. Mofford

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PTO/SB/08A (02-03)

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Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

Complete if Known			
Application Number	10/617,620		
Filing Date	July 11, 2003		
First Named Inventor	Keith D. Trott		
Art Unit	2821		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	RTN-141PUS		

Cite						
No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	Number-Kind Code	44/07/4000	Niversia at al	· ·ga··oo··,ppoa·		
						
		05/04/1993	Monser et al.			
		09/28/1993	Lee			
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	^{US-} 5,519,408	05/21/1996	Schnetzer			
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	^{US-} 5,977,911	11/02/1999	Green et al.			
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	^{US-} 6,552,691	04/22/2003	Mohuchy et al.			
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	No.'	Number-Kind Code ^{2 (f known)} US- 4,793,925 US- 5,208,602 US- 5,248,987 US- 5,428,364 US- 5,519,408 US- 5,557,291 US- 6,292,153 US- 6,271,799 US- 6,552,691 US-	Number-Kind Code ^{2 (# known)} US- 4,793,925 11/27/1990 US- 5,208,602 05/04/1993 US- 5,248,987 09/28/1993 US- 5,428,364 06/27/1995 US- 5,519,408 05/21/1996 US- 5,557,291 09/17/1996 US- 6,292,153 09/18/2001 US- 6,271,799 08/07/2001 US- 6,552,691 US- US- US- US- US- US- US- US- US- US	Number-Kind Code ^{2 (f known)}		

	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	-6					
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			Or Relevant Figures Appear	-					
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Examiner	Date		
Signature	Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

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PTO/\$B/08B (02-03)

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INFORMATION DISCLOSURE				Filing Date	July 11, 2003	
STATEMENT BY APPLICANT		First Named Inventor	Keith D. Trott			
	(Use as many sh	oote se n	ncessary)	Art Unit	2821	
	Just as many sin			Examiner Name	Not Yet Assigned	
Sheet	2	of	2	Attorney Docket Number	RTN-141PUS	

Examiner Initials*	Cite No. ¹					
		DANIEL H. SCHAUBERT, TAN-HUAT CHIO, Wideband Vivaldi Arrays for Large Aperture Antennas, 1999, PP 59-57, Perspectives on Radio Astronomy - Technologies for Large Antenna Arrays, Netherlands Foundation for Research in Astronomy - 1999.				
		KEITH TROTT, BOB CUMMINGS, RONNI CAVENER, MARK DELUCA, JOE BIONDI, AND TOM SIKINA, Wideband Phased Array Radiator, pp. 1-4, 2003 IEEE Phased Array Conference Proceedings, held in Boston, MA. October 14-17, 2003.				
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Examiner	Date		
Signature	Considered		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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